

CLAIMS

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3 **1.** A method for informing a client of a peripheral address, by way of a peripheral server, the
4 method comprising:
 - 5 receiving a first message at the peripheral server, wherein the first message contains
 - 6 an address of the client;
 - 7 generating a second message containing the peripheral address; and
 - 8 sending the second message to the client address.
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10 **2.** The method of claim 1 wherein the peripheral is a printer, and the peripheral server is a
11 print server comprising a print queue.
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13 **3.** The method of claim 1 wherein the first message is a print job.
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15 **4.** The method of claim 3 further comprising:
 - 16 spooling the print job to the printer.
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18 **5.** The method of claim 3 wherein the print job contains a PML object.
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20 **6.** The method of claim 5 wherein the generating step comprises:
 - 21 parsing the print job;
 - 22 setting the PML object to contain the address of the client;
 - 23 sending a trap request to an interface device;
 - 24 receiving the trap request at the interface device; and
 - 25 parsing the PML object to find the address of the client.
- 26
27 **7.** The method of claim 5 wherein the PML object is UI_SELECT_OPTION.
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29 **8.** The method of claim 1 wherein the second message is a UDP datagram.
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1 9. The method of claim 1 wherein the second message is generated directly by the
2 peripheral.

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4 10. The method of claim 1 wherein the second message is generated by an interface device,
5 wherein the interface device is connected between the peripheral server and peripheral.

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7 11. The method of claim 1 further comprising:
8 forwarding the first message to the peripheral, wherein the peripheral is connected to
9 the peripheral server.

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11 12. The method of claim 1 wherein the peripheral is a multi-function peripheral.

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13 13. The method of claim 1 wherein the multi-function peripheral comprises at least two
14 capabilities selected from the group consisting of printing, scanning, copying and facsimile.

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16 14. A method for a client to discover a peripheral address, by way of a peripheral server, the
17 method comprising:

18 sending a first message to the peripheral server, wherein the first message contains an
19 address of the client; and

20 receiving at the client a second message containing the peripheral address.

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22 15. The method of claim 14 wherein the peripheral is a printer, the peripheral server is a
23 print server comprising a print queue, and the first message is a print job.

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25 16. An apparatus comprising:

26 a client computer;

27 a peripheral server, connected to the client computer, wherein the peripheral server
28 receives a first message from the client computer, the first message containing an address of
29 the client computer; and

30 a peripheral, connected to the peripheral server, wherein the peripheral receives the
31 first message and notifies the client computer of the peripheral's address.



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- 17.** The apparatus of claim 16 further comprising:
- an interface, connected between the peripheral server and the peripheral, wherein the interface generates a message to the client computer, the message notifying the client computer of the peripheral's address.
- 18.** The apparatus of claim 16 wherein the peripheral server comprises a print queue.
- 19.** The apparatus of claim 16 wherein the peripheral is a multi-function peripheral.
- 20.** The method of claim 19 wherein the multi-function peripheral comprises at least two capabilities selected from the group consisting of printing, scanning, copying and facsimile.

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